

CURRICULUM VITAE

PERSONAL DATA

Name: James A. Lemons, M.D.  
Work Address: 699 West Drive, RR 208  
Indianapolis, IN 46202  
Work Phone: (317) 274-4716  
Birth Date: October 1, 1944  
Place of Birth: South Bend, Indiana  
Spouse: Pamela Kristine Lemons  
Children: Kenneth, Kevin and Meghan  
Citizenship: USA

EDUCATION

B.A. Princeton University July, 1962-June, 1965  
M.D. Northwestern University Medical School July, 1965-June, 1969

*Postgraduate Training:*  
Intern, Department of Pediatrics July, 1969-June, 1970  
University of Michigan Medical School  
Ann Arbor, Michigan

Resident, Department of Pediatrics July, 1970-June, 1972  
University of Michigan Medical Center  
Ann Arbor, Michigan

Fellow in Reproductive Endocrinology July, 1972-June, 1973  
University of Michigan Medical Center  
Ann Arbor, Michigan

Fellow in Neonatal-Perinatal Medicine July, 1973-June, 1975  
University of Colorado Medical Center  
Denver, Colorado

BOARD CERTIFICATION

American Board of Pediatrics 1972  
Written examination passed

American Board of Pediatrics 1974  
Oral examination passed

American Board of Pediatrics 1977  
Sub-Board of Neonatal-Perinatal Medicine

Recertification, American Board of Pediatrics 1993  
Pediatrics and Neonatal-Perinatal Medicine

LICENSURE

State of Indiana, #01028279  
State of Indiana Controlled Substances Registration, #01028279B  
United States Department of Justice DEA, #AL9107005

FACULTY APPOINTMENTS

Assistant Professor of Pediatrics July, 1975-June, 1978  
University of Colorado Medical Center  
Denver, Colorado

Associate Professor of Pediatrics  
Indiana University School of Medicine  
July, 1978-June, 1982

Director, Section of Neonatal-Perinatal Medicine  
Indiana University School of Medicine  
July, 1987 to June 2009

Hugh McK. Landon Professor of Pediatrics  
Indiana University School of Medicine  
July, 1988 to present

Associate, Faculty of Indiana University Graduate School  
February, 2003 to present

#### HOSPITAL STAFF APPOINTMENTS

University of Colorado Health Sciences Center  
Denver, Colorado  
1973-1978

Denver Children's Hospital  
Denver, Colorado  
1973-1978

Director of Nurseries  
General Rose Memorial Hospital, Denver, Colorado  
1975-1978

St. Vincent Hospital and Health Care Center  
Indianapolis, Indiana  
1978-1998

Ball Memorial Hospital  
Muncie, Indiana  
1990-1998

Indiana University Hospital  
Indianapolis, Indiana  
1978 to present

James Whitcomb Riley Hospital for Children  
Indianapolis, Indiana  
1978 to present

Wishard Memorial Hospital  
Indianapolis, Indiana  
1978 to present

Community Hospitals  
Indianapolis, Indiana  
1999 to 2006

St. Francis Hospital  
Indianapolis, Indiana  
2000 to 2007

Deaconess Women's Hospital  
Evansville, Indiana  
2001 to 2007

Clarian North Hospital  
Carmel, Indiana  
2005 to present

#### COMMUNITY SERVICE

Work at mission hospital in Ethiopia through  
Presbyterian Church Grant (four months)  
1968

Elder, Presbyterian Church  
1983-1996

Professor at Moi University Medical School  
Eldoret, Kenya  
1994

Board of Directors, Vivian Smith Teen Parenting Program  
1994-1996

Board of Directors, Indiana University/Moi University  
1995-present

#### HONORS AND AWARDS

March of Dimes Health Leadership Award, 1999

Endowed Chair: Hugh McK. Landon Professor of Pediatrics  
Indiana University School of Medicine

Alpha Omega Alpha (AOA)

Sigma Xi

Edwin L. Gresham Award for Perinatal Service-AAP

The Best Doctors in America, 1994, 1995

Inclusion In *America's Top Doctors (2nd Edition)* National Physician Guide, 2002

Teaching Excellence Recognition Award, Indiana University, 2002

Physician of the Year, March of Dimes, Indiana Chapter, 2005

Best Doctors in America, 2007-2008

Indianapolis Business Journal, Health Care Heroes Physician Winner, 2008

#### SOCIETIES

American Pediatric Society

American Academy of Pediatrics

Indiana Chapter, American Academy of Pediatrics

Society for Pediatric Research

European Society of Pediatrics

Midwest Society for Pediatric Research

Indiana State Medical Association

Indiana Neonatal Society

American College of Nutrition

Colorado Medical Society

Denver Medical Society

International Perinatal Collegium

#### COMMITTEES

*Indiana University Medical School and Indiana University*

Director, Neonatal Fellowship Training Program 1978-1992

Director, Neonatal/Pediatric Transport Programs 1978-1990

Director, Neonatal Outreach and Continuing Education 1978-1990

Pharmacy and Therapeutics Committee	1979-1980/1984-1988
Director, Amino Acid Laboratory	1979-1990
Institutional Review Board of Indiana University-Purdue University at Indianapolis	1981 to present
Academic Standards Committee	1984-1988
Utilization and Review Committee	1984-1985
Indiana University Bylaws Committee	1984-1987
Chairman, Lyman Meiks Student Research Award Committee	1985 to present
Education and Curriculum Committee/Pediatrics, Genetics and Human Growth Development Topic Committee	1986-1988
General Clinical Research Center Advisory Committee	1986 to present
Medical Advisory Committee for Respiratory Care	1986 to present
Director, Neonatal Nurse Practitioner Internship Training Program	1986-1990
Executive Committee, Sigma Xi	1987-1988
Board of Directors, University Pediatric Associates	1987 to present
Emergency and Trauma Task Force	1987-1988
Pediatric Emergency Room Services Committee	1988
Indiana University Promotions and Tenure Committee	1988 to present
Advisory Committee for the Herman B Wells Center for Pediatric Research	1989
Chairman, Faculty Development Workshop for the Medical Center	1989
Quality Initiative Steering Committee of Indiana University Hospitals	1989-1991
Chairman, Department of Pediatrics Promotions and Tenure Committee	1989 to present
Parent Advisory Committee, Riley Hospital for Children	1990-1993
Pediatric Care Review Committee, Department of Pediatrics, Indiana University Medical Center	1990 to present
Chairman, Special Committee on Animal Use in Education and Research	1990-1991
Indiana University Strategic Planning Committee	1991-1992
Steven C. Beering Award Selection Committee	1991-1995
Appeals Committee, Research Technician Classification Project, Indiana University School of Medicine	1992 to present
Administrative Review Committee for Dean of Indiana University School of Medicine	1994-1995
Riley Medical Care Committee	1994 to present

Chairman, Steven C. Beering Award Selection Committee	1995
Search and Screen Committee for Chairman of Radiology	1995-1996
Chairman, Administrative Review Committee for Chancellor of Indiana University-Purdue University at Indianapolis	1995-1996
Alliance of Distinguished Rank Professors	1995 to present
Board of Directors, Indiana University/Kenya Program	1995 to present
Associate Chairman, Institutional Review Board of Indiana University-Purdue University at Indianapolis	1995 -1997
Pediatric Consolidation Committee for Clarian Health	1996 to present
Special Committee for Review of Indiana University-Purdue University at Indianapolis Institutional Review Board Policies and Procedures	1997
President, Board of Directors, University Pediatric Associates	1999
Chairperson, Search and Screen Committee for Director of Pediatric Hematology/Oncology	1999
Chair, Search Committee for Chair of the Dept. of Medicine	2000
Advisor: Koop House Medical Residents Mentoring Group	2002
Chair, Search Committee for Center University Services	2003-2004
Chair, Radiology Chair Search Committee	
Chair, Obstetrics and Gynecology Chair Search Committee	2006-2007
Chair, Ophthalmology Chair Search Committee	2008-2009

## COMMITTEES

*State*

President, Indiana Neonatal Society	1987-1988
Advisory Committee for the Bureau of Family Health Services, Indiana State Board of Health	1988 to present
Chairman, Committee on Fetus and Newborn, Indiana Chapter of the American Academy of Pediatrics	1988-1996
State Department of Health, Perinatal Planning Committee	1990 to present
Chairman, Subcommittee on Consultation, Referral and Follow-up, Indiana Perinatal Task Force	1995 to present
Member, Indiana Perinatal Task Force	1995 to present
Indiana Newborn Hearing Screening and Intervention Advisory Board	2000 to present

## COMMITTEES

*National*

National Institutes of Health Ad Hoc Study Sections for Special Projects	1984-1987
Member, Ad Hoc Committee for Human Embryology and Development Section, National Institutes of Health	1985 to present
National Institutes of Health Ad Hoc Site Visits for Program Project Grants	1986 to present
Executive Committee, American Academy of Pediatrics Section on Perinatal Pediatrics	1987-1992
Chair, Abstract Selection Committee, Section on Perinatal Pediatrics of the American Academy of Pediatrics	1988-1992
Chair, Nominations Committee, Section on Perinatal Pediatrics of the American Academy of Pediatrics	1988-1992
RBRVS Advisory Committee, American Academy of Pediatrics	1991-1992
Chair, American Academy of Pediatrics Executive Committee, Section on Perinatal Pediatrics	1992-1994
Consensus Conference on the NICU Environment, Steering Committee	1992 to present
Member, American Academy of Pediatrics Committee to Develop Practice Guidelines for Hyperbilirubinemia	1993-1994
Member, Neonatal-Perinatal Medicine Sub-Board of the American Board of Pediatrics	1993 -1999
Co-Director, Annual Barkley Regional Perinatology Conference	1993 to present
Chair, National Institutes of Health Neonatal Research Network Follow-up Committee	1993 to present
Wyeth Neonatology Fellow Research Grant Fund, Grant Review Committee	1994-1996
Early Discharge Parent Education Committee, Wyeth Laboratories	1994-1995
NEOPREP Planning Committee of the American Academy of Pediatrics	1995-1998
Executive Committee, National Institutes of Health STOP-ROP Grant	1995-1998
Chair, Data and Safety Monitoring Committee, GM-CSF (Immunex)	1996
Board of Advisors, Nitric Oxide Utilization, Ohmeda	1996 to 1998
Chair, National Institutes of Health Neonatal Research Network Protocol Review Committee	1996 to present
Chair, Committee on Fetus and Newborn, American Academy of Pediatrics	1997 to 2001
Co-chair, NICHD Neonatal Research Network, Subcommittee on Glutamine trial	1999 to present
Editorial Board, Guidelines for Perinatal Care, American Academy of Pediatrics	1999 to present
Pregnancy Labeling Subcommittee of the Reproductive Health Drugs Advisory Committee	1999 to present
Taskforce for Newborn Hearing Screening and Detection, American Academy of Pediatrics	1999 to present
National Consultant to the Food and Drug Administration, RE: Cisapride	1999 to present
Chair, Technical Action Group, Council on Committees, American Academy of Pediatrics	2000-2004

VISITING PROFESSORSHIPS/INVITED LECTURES (*National and International*)

University of Texas Southwestern, Dallas, TX	1980
Regional Conference on Neonatology, Lake Barkley, KY	1980
Regional Conference on Neonatology, Chicago, IL	1981
Aspen Conference of the Newborn, Aspen, CO	1981
University of Louisville, Louisville, KY	1982
University of Colorado Health Sciences Center, Denver, CO	1982
Regional Conference on Neonatology, Lake Barkley, KY	1983
Visiting Professor, University of Oklahoma, Oklahoma City, OK	1983
Northeast Perinatal Association, Chatham, MA	1984
Regional Conference on Neonatology, Milwaukee, WI	1984
Visiting Professor, University of Wisconsin, Madison, WI	1985
Regional Conference on Neonatology, Lake Barkley, KY	1986
Regional Conference on Neonatology, Peoria, IL	1986
Visiting Professor, University of South Dakota, Sioux Valley Hospital, Sioux Falls, SD	1987
Special Bone Mineralization Research Conference in Perinatology, LaCosta, CA	1987
International Research Conference on Perinatal Parenteral Nutrition, Bermuda	1988
University of Colorado Health Sciences Center, Denver, CO	1988
Visiting Professor, Case Western University Medical Center, Cleveland, OH	1988
University of Cincinnati School of Medicine, Cincinnati, OH	1988
Special Conference on Chronic Lung Disease sponsored by Ross Laboratories, Phoenix, AZ	1988
Perinatal Research Society, Montreal, Quebec	1989
University of Colorado Health Sciences Center, Denver, CO	1989
Aspen Conference on the Newborn, Aspen, CO	1990
Regional Conference on Neonatology, Lake Barkley, KY	1990
University of Chicago, Chicago, IL	1990
Northwestern University, Chicago, IL	1990
Visiting Professor, University of Cincinnati, Cincinnati, OH	1990
Visiting Professor, University of Louisville, Louisville, KY	1990

Visiting Professor, University of Maine, Portland, ME	1991
Regional Conference on Neonatology, Phoenix, AZ	1991
University of North Carolina, Chapel Hill, NC	1991
Visiting Professor, University of Kansas, Kansas City, MO	1991
 American Academy of Pediatrics Annual Meeting, Neonatology Workshop, New Orleans, LA	1991
Hot Topics Conference on Neonatology, Washington, D.C.	1991
National Conference for Standards of Newborn Intensive Care, Orlando, FL	1992
University of Colorado Health Sciences Center, Denver, CO	1992
Co-Director, International Conference on Growth Factors in Perinatal Development, Cincinnati, OH	1992
Special Meeting of Maternal Child Health, National Institutes of Health	1992
Visiting Professor, University of Michigan Medical Center, Ann Arbor, MI	1992
Visiting Professor, Boston Children's Hospital, Harvard University, Boston, MA	1992
St. Louis Children's Hospital, St. Louis, MO	1993
Ohio State University, Columbus, OH	1993
International Perinatal Collegium, Chatham, MA	1993
Presentation to the RUC AMA Committee, American Academy of Pediatrics, Chicago, IL	1993
Speaker, National Institutes of Health Consensus Conference on Perinatal Asphyxia, Washington, D.C.	1993
Wayne State University, National Conference on Neonatology, Detroit, MI	1993
District VII and Texas Chapter of the AAP, Austin, TX	1993
National Conference on NICU Standards, Orlando, FL	1993
Consensus Conference on Antenatal Steroids, National Institutes of Health, Washington, D.C.	1994
Professor of Pediatrics, Moi University Medical School, Eldoret, Kenya	1994
Special Research Conference on Neonatal Nutrition, Ross Laboratories, Columbus, OH	1994
Consultant, Committee on Early Discharge of Newborn Infants, Atlanta, GA	1994
Invited Speaker, Annual Meeting, American Academy of Pediatrics, Dallas, TX	1994
Southeastern Perinatal Conference, West Palm Beach, FL	1995
Regional Conference on Neonatology, Lake Barkley, KY	1995
International Perinatal Collegium, Garderen, Netherlands	1995

NEOPREP Course of the American Academy of Pediatrics, San Diego, CA	1995
Lubchenko Visiting Professor, University of Colorado Heath Sciences Center, Denver, CO	1995
Invited Presentation at Hot Topics International Neonatology Conference, Washington, D.C.	1995
International Perinatal Collegium, Hong Kong	1996
Visiting Professor, University of Massachusetts Medical Center, Worcester, MA	1996
Consultant for Use of Nitric Oxide sponsored by Ohmeda, Washington, D.C.	1996
Special Research Conference on Neonatal Nutrition sponsored by Ross Laboratories, Columbus, OH	1996
Special Research Meeting on Magnesium and Cerebral Palsy, National Institutes of Health and CDC, Washington, D.C.	1996
NEOPREP Course, St. Petersburg, FL	1996
International Conference on Deafness, Kiawa Island, SC	1996
Speaker, First International CME Course co-sponsored by the American Academy of Pediatrics and the Italian Society of Pediatrics, Bologna, Paddua and Pavia, Italy	1997
Speaker, 18 <sup>th</sup> International Symposium on Neonatal Intensive Care, Milan, Italy	1998
Speaker, 1998 Clinical Advance in Pediatrics Seminar, Kansas City, KS	1998
Speaker, 22nd Ross Conference on Perinatal Medicine	1998
Speaker and Planning Committee, 23rd Ross Conference on Perinatal Medicine	1999
International Perinatal Collegium, Villars, Switzerland	1999
White Coat Ceremony, Speaker, Indiana University School of Medicine	1999
Speaker, Fetus and Newborn Conference, San Diego, CA	1999
Visiting Professor, Vanderbilt University Medical Center, Nashville, TN	1999
Hot Topics in Neonatology, Washington, D.C.	1999
Canadian Pediatric Society, Val David, Ontario	2000
Speaker and Planning Committee, 24th Ross Conference on Perinatal Medicine, Santa Fe, NM	2000
Speaker, 12th Osthoff Conference for North Central Neonatology Issues, WI	2000
Committee on Obstetric Practice, Washington, DC	2000
Speaker, First International Hearing Screening Symposium, Milan, Italy	2000
Visiting Professor, University of Alabama	2000
Coordinator and Speaker, Neonatal CPT Coding Seminar. Riley Hospital for Children	2000
Organizing Chairperson and Speaker, Ross Pediatrics 25 <sup>th</sup> Annual Seminar for Perinatal/Neonatal Fellows	2001

Children's Hospital & Cincinnati University Advisory Committee Review, Cincinnati, OH	2001
Committee on Fetus and Newborn Liaison to the Canadian the Canadian Committee on Fetus and Newborn	2001
Speaker, Society for Pediatric Research Annual Meeting, Baltimore, MD	2001
Speaker, American Academy of Pediatrics Meeting, Hilton Head, SC	2001
Facilitator and Speaker, 25 <sup>th</sup> Annual Ross Seminar for Neonatal/Perinatal Fellows, <i>Hot Topics in Neonatal and Perinatal Medicine</i> , Santa Fe, NM	2001
Guest Speaker, Natus-Sponsored Lecture Tour, <i>Newborn Infant Hearing Screening</i> , various locations, United Kingdom	2001
Guest Speaker, University of Iowa: <i>Protein Requirements of the Extremely Premature Infant</i>	11/01
Guest Speaker, 17 <sup>th</sup> Annual Conference on The Fetus and Newborn, La Jolla, CA.	11/01
Guest Speaker, Nashville Hospital, Nashville, IN. <i>Caring for Parents – the Art of Communication</i>	10/01
NIH NICU Steering Committee Meeting, Washington, D.C.	01/02
American Academy of Pediatrics Meeting, Washington, D.C.	02/02
Mead Johnson Enfamil KOH Meeting, Marco Island, FL	02/02
2002 NICU Steering Committee Meeting of the Department of Health and Human Services Washington, D.C.	03/02
Medimmune INO Therapeutics Conference, Phoenix, AZ	04/02
Facilitator and Speaker, 26 <sup>th</sup> Annual Ross Seminar for Neonatal/Perinatal Fellows, <i>Hot Topics in Neonatal and Perinatal Medicine</i> , Santa Fe, NM	06/02
NIH NICU Steering Committee Meeting, Bethesda, MD	06/02
American Academy of Pediatrics Chapter Forum, Chicago, IL	09/02
Discussion Panelist: Case Western Reserve University Fellow's Reunion Conference Cleveland, OH	09/02
NIH NICU Steering Committee Meeting, Bethesda, MD	10/02
2002 Ross Neonatal Pharmaceutical Advisory Panel, Chicago, IL	10/02
American Academy of Pediatrics Meeting, Boston, MA	10/02
Inhaled Nitric Oxide Therapeutics Meeting, San Diego, CA	11/02
2003 International Perinatal Collegium Research Meeting, Paris, France	06/03
Presenter, 27 <sup>th</sup> Ross Seminar on Perinatal Medicine, Santa Fe, NM	06/04
Guest Lecturer, 12 <sup>th</sup> Annual Neonatal Conference, Middlesbrough, England	06/04
Presenter, Global INO Therapeutics Advisory Board Meeting, San Juan, Puerto Rico	03/05
Faculty Member, 28 <sup>th</sup> Ross/AAP Seminar on Neonatal/Perinatal Medicine, Sante Fe, NM	06/05

Presenter, 2005 International Perinatal Collegium, Quebec, Canada

07/05

Presenter, 2007 International Perinatal Collegium, Stockholm, Sweden

07/07

#### GRANT SUPPORT

Umbilical and Uterine Uptake of Amino Acids and Glucose in the Unstressed and Fasted Ovine Fetus. Riley Memorial Association, 1978-1980, Principal Investigator.

Composition of Breast Milk in Relation to Gestational Age, National Institutes of Health, PHS R01 HD 12467, 1979-1980, Principal Investigator.

Fetal Gluconeogenesis and Protein Catabolism During Maternal Fasting, Riley Memorial Association, 1981-1982, Principal Investigator.

Fetal Amino Acid Metabolism and Gluconeogenesis, National Institutes of Health, PHS R01 14820, 1981-1984, Principal Investigator.

Fetal Amino Acid Metabolism and Gluconeogenesis, National Institutes of Health, Competitive Renewal PHS R01 14820, 1985-1987, Principal Investigator.

Fetal Amino Acid Metabolism and Gluconeogenesis, National Institutes of Health, Competitive Renewal PHS R01 14820, 1987-1992, Principal Investigator.

Mead Johnson Grant for the Establishment of a Mass Spectrometer Laboratory Research Center, 1989, Principal Investigator.

Comprehensive Intensive Infant Care Project, #78, Maternal and Child Health Services, Indiana State Department of Health, 1974-1997, Principal Investigator.

Neonatal Nutrition Training Program, Maternal and Child Health Bureau, USDHHS, Rockville, Maryland, 1993-1998, Program Director: Karyl Rickard, Co-Director: James A. Lemons.

Neonatal Scatterbed, General Clinical Research Center Study Section, National Institutes of Health, MO1-RR-750-19, 1989-1994, Principal Investigator.

Neonatal Scatterbed, General Clinical Research Center Study Section, National Institutes of Health, MO1-RR-750-19, 1994-1999, Co-Principal Investigator.

Bristol-Myers-Squibb Grant for Excellence in Nutritional Research, 1990-1995, Principal Investigator.

Cooperative Multicenter Network of Neonatal Intensive Care Units, National Institutes of Health, RFA-90-HD-01, 1991-2001, Principal Investigator.

Early Treatment for Retinopathy of Prematurity, National Institutes of Health (National Eye Institute), 2000-2004, Principal Investigator for Indiana University.

Comprehensive Developmental Pediatric Care for Infants and Children with Special Health Care Needs. (Indiana State Dept. of Health Newborn Follow-up Program). Award #47-861-60., 1998-Present, Principal Investigator.

Cooperative Multicenter Network of Neonatal Intensive Care Units, National Institutes of Health, RFA-90-HD-01, 2001-2006, Principal Investigator.

Leadership Education Excellence in Pediatric Nutrition Program, Maternal & Child Health Bureau, US Dept of Health and Human Services, Public Health Service 1978-2009, Program Director: Karyl Rickard, Co-Directors: James A. Lemons and (Mary) Sue Brady.

#### REVIEWER FOR MEDICAL PUBLICATIONS

*Editorial Board*

Journal of Perinatology, 1996 to present

Healthy Pregnancy Magazine, January 2001 to present

*Reviewer*

Journal of Pediatrics  
Canadian Journal of Animal Science  
Pediatrics  
Metabolism  
American Journal of Obstetrics and Gynecology  
American Journal of Perinatology  
American Journal of Physiology  
Archives of Diseases in Childhood  
American Journal of Diseases in Children  
Perinatology  
American Journal of Nutrition  
Journal of American Dietetic Association  
Biology of the Neonate  
Pediatric Research  
Obstetrics and Gynecology

**BIBLIOGRAPHY**

Lemons JA, Kuhns LR, Pozananski A. Calcification of fetal teeth as an index of fetal maturation. *Am J Obstet Gynecol.* 114:628-630, 1972.

Lemons JA, Jaffe RJ. Amniotic fluid lecithin/sphingomyelin ratio in the diagnosis of hyaline membrane disease. *Am J Obstet Gynecol.* 115: 223-237, 1973.

Lemons JA, Foster DL, Jaffe RB. Aromatization by immature monkey ovaries. *Endocrinology* 94:1181, 1974.

Burd LI, Lemons JA, Makowski EL, Battaglia FC, Meschia G. The relationship of mammary blood flow to parturition in the ewe. *Am J Physiol.* 229:797-800, 1975.

Foster DL, Lemons JA, Jaffee RB, Niswender GD. Sequential patterns of circulating luteinizing hormone and follicle-stimulating hormone in female sheep from early postnatal life through the first estrous cycles. *Endocrinology* 97:985-994, 1975.

Levine RL, Lemons JA. Concentrations of iron in relation to infection in the neonate, Letter to the Editor. *J Pediatr.* 87:331-332, 1975.

Lemons JA, Adcock EW III, Jones MD, Naughton G, Meschia G, Battaglia FC. Umbilical uptake of amino acids in the unstressed fetal lamb. *J Clin Invest* 58:1428, 1976.

Peeters LL, Lemons JA, Niswender GD, Battaglia FC. Serum levels of human placental lactogen and human chorionic gonadotropin in early pregnancy: a maturational index of the placenta. *Am J Obstet Gynecol.* 126:707-711, 1976.

Burd LI, Lemons J.A., Makowski E.L., Meschia G. and Niswender G.D.: Mammary blood flow and endocrine changes during parturition in the ewe. *Endocrinology.* 98:748-756, 1976.

Lemons JA, Ten C., Naughton MA. Removal of glutathione interference in blood amino acid analysis. *Biochem Med* 15:282-288, 1976.

Lemons JA, Battaglia FC. Resuscitation of the Newborn. In *Current Therapy*, Conn, H.F. (ed.), W.B. Saunders, Philadelphia, 1977, pp.811-814.

Holzman I, Lemons JA, Battaglia FC, Meschia G. Ammonia production by the pregnant uterus. *Proc Soc Exp Biol Med.* 156:27-30, 1977.

Burd LI, Lemons JA, Battaglia FC. Relationship of mammary temperature to parturition in human subjects. *Am J Gynecol.* 128:266-271, 1977.

Schreiner RL, Burd LI, Jones MD, Lemons JA, Sheldon RE, Simmons MA, Battaglia FC, Meschia G. Fetal Metabolism in Fasting Sheep. In *Fetal and Newborn Cardiovascular Physiology*, Longo, L. (ed.), Garland Publishing Co., New York, 1978, Volume 1, pp. 197-222.

Lemons JA, Honeyfield PR. Umbilical artery catheterization. *Perinatal Care* 2:17-25, 1978.

Hernandez J, Lemons PK, Lemons JA, Todd J. Effect of storage process on the bacterial growth inhibiting activity of human breast milk. *Pediatrics* 63:597-601, 1979.

Lemons JA. Fetal-placental nitrogen metabolism. *Sem Perinatol* 3:177-190, 1979.

Schreiner RL, Lemons JA, Gresham E.L. A new complication of nutritional management of the low-birth-weight infant. *Pediatrics* 63:683-685, 1979.

Bavikatte K, Schreiner RL, Lemons JA, Gresham E.L.: Group D streptococcal septicemia in the neonate. *Am. J. Dis. Child.* 133:493-496, 1979.

Lemons JA. Congenital absence of the pancreas and intrauterine growth retardation. *Pediatrics* 64:255-257, 1979.

Etches PC and Lemons JA. Non-immune hydrops fetalis--report of 22 cases including three siblings. *Pediatrics* 64:326-332, 1979.

Bavikatte K, Hilliard J, Schreiner RL, Mirkin D, Williams B, Lemons JA Gresham EL. Systemic vascular cotton fiber emboli in the neonate. *J Pediatr* 95:614-616, 1979.

Schreiner RL, Brady MS, Franken EA, Stevens DC, Lemons JA, Gresham EL. Increased incidence of lactobezoars in low birth weight infants. *Am J Dis Child.* 133:936-940, 1979.

Holzman IR, Lemons JA, Meschia G, Battaglia FC. Uterine uptake of amino acids and placental glutamine-glutamate balance in the pregnant ewe. *J Develop Physiol* 1:137-149, 1979.

Schreiner RL, Lemons JA, Gresham E.L. Effect of maternal malnutrition on singleton and twin pregnancies in the sheep. *Nutr Rep Int'l.* 21:525-530, 1980.

Schreiner RL, Nolen PA, Bonderman PW, Moorehead HC, Gresham EL, Lemons JA, Escobedo MB. Fetal and maternal hormonal response to starvation in the ewe. *Pediatr Res* 14:103-108, 1980.

Bull MJ, Schreiner RL, Garg BP, Hutton NM, Lemons JA, Gresham EL. Neurologic complications following temporal artery catheterization. *J Pediatr.* 96:1071-1073, 1980.

Lemons JA, Perez R, Schreiner RL, Gresham EL. The acute small animal preparation - suitable for fetal metabolic studies? *J Appl Physiol.* 49:42, 1980.

Lemons PK, Kochanczyk M, Lemons JA. Breast-feeding the newborn. *J Ind State Med Assoc.* 73:373-378, 1980.

Grosfeld JL, Lemons JA, Ballantine TVN, Schreiner RL. Emergency thoracotomy for acquired bronchopleural fistula in the premature infant with respiratory distress. *J Pediatr Surg* 15:416-421, 1980.

Lemons JA, Schreiner RL, Gresham EL. Simple method for determining the caloric and fat content of human milk. *Pediatrics* 66:626-628, 1980.

Gowdar K, Bull MJ, Schreiner RL, Lemons JA, Gresham EL. Nasal deformities in neonates. *Am J Dis Child.* 134:954-957, 1980.

Schreiner RL, Kisling JA, Evans GM, Phillips S, Lemons JA, Gresham EL. Improved survival of ventilated neonates with modern intensive care. *Pediatrics* 66:985-987, 1980.

Cohen M, Smith WL., Smith JA, Gresham EL, Schreiner RL, Lemons JA. The use of metrizamide (Amipaque) to visualize the gastrointestinal tract in children: a preliminary report. *Clin Radiology* 31:635-641, 1980.

Grosfeld JL, Schreiner RL, Franken EA, Lemons JA, Ballantine TVN, Weber TR, Gresham EL. The changing

Stevens DC, Schreiner RL, Bull MJ, Bryson CQ, Lemons JA, Gresham EL, Grosfeld JL, Weber TR. An analysis of tolazoline therapy in the critically-ill neonate. *J Pediatr Surg* 15:964-970, 1980.

Bavikatte K, Bull MJ, Bryson CQ, Schreiner RL, Lemons JA, Gresham EL. Dramatically improved outcome of extremely low birth weight infants. *J Ind State Med Assoc* 73:234-237, 1980.

Schreiner RL, Lemons JA, Gresham EL, Nolen PA, Bohnke RA, Reyman DS. Effect of acute non-surgical stress on metabolic studies in the ewe. *Biol Neonate* 39:86-90, 1981.

Lemons JA, Vargas P, Delaney JJ. Infant of the diabetic mother: a review of 225 cases. *Obstet Gynecol* 57:187-192, 1981.

Pereira G, Lemons JA. Controlled study of transpyloric and intermittent gavage feeding in the small preterm infant. *Pediatrics* 67:68-72, 1981.

Schreiner RL, Lemons JA, Gresham EL. Metabolic and hormonal response to chronic maternal fasting in the ewe. *Ann Nutr Metab.* 25:38-47, 1981.

Lemons JA. Neonatal glucose metabolism and the infant of the diabetic mother. *Crit Care Quart.* 4:59-69, 1981.

Blythe M, Lemons JA, Schreiner RL. Infant Nutrition. In *Care of the Newborn*, Schreiner, R.L. (ed), Raven Press, New York, p. 162-165, 1981.

Lemons JA. Problems of the Very Low Birth Weight Infant. In *Care of the Newborn*, Schreiner, R.L. (ed), Raven Press, New York, p. 162-165, 1981.

Lemons JA. Fluid and Electrolyte Management. In *Care of the Newborn*, Schreiner, R.L. (ed), New York, p. 166-174, 1981.

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#### AUDIOVISUAL PROGRAMS

Lemons, James A., "Fluid and Electrolytes in the Newborn" (videotape) for continuing education series.

Lemons, James A., "Resuscitation of the Newborn" (videotape) for continuing education series.

Lemons, James A., "Thermoregulation in the Newborn" (videotape) for continuing education series.

Lemons, James A. "Breast-Feeding: By Change or By Choice" (videotape) for continuing education series.

Lemons, James A., "Examination of the Placenta" (videotape) for continuing education series.

Lemons, James A., "Birth Trauma" (videotape) for continuing education.

Lemons, James A., "Guidelines for Prevention of Perinatal Group B Streptococcal Disease" (videotape) for continuing education series.

Lemons, James A., "Universal Newborn Hearing Screening" (videotape) for continuing education series.